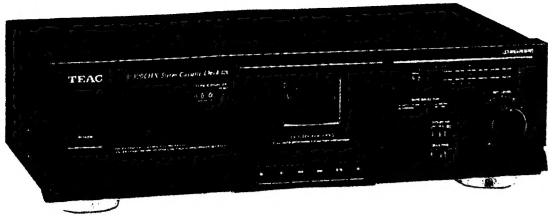


TEAC[®]




SERVICE MANUAL

V-370/V-390CHX

Stereo Cassette Deck

CAUTION

△ Parts marked with this sign are safety critical components. They must always be replaced with identical components—refer to the appropriate parts list and ensure exact replacement.

* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.

1. SPECIFICATIONS AND SERVICE DATA

SPECIFICATIONS

Track System 4-track, 2-channel stereo
2 Heads 1 Erase, record/playback
Type of Tape Cassette tape, C-60 and C-90 (philips type)
Tape Speed 4.76cm/sec (1-7/8 ips)
Input (level and impedance)
 LINE IN : Specified input level: -9dB (275mV)/50kohms
 Min. input level: -19dB (87mV)
Output (level and load impedance)
 OUTPUT : Spec. output level:
 V-370/V-390CHX
 -3.5 dB (518mV) 50kohms
Equalization
 METAL: 3180uS+ 70uS
 CrO2: 3180uS+ 70uS
 NORMAL: 3180uS+ 120uS
Head Configuration
 1/2-track, 1-channel erase head
 1/4-track, 2-channel record/playback head
Motor 1 DC servo motor
Bias Frequency 100KHz
Operation Position Horizontal
Power Requirements
 120/230 V AC, 50/60Hz (General Export Models)
 120 V AC, 60Hz (U.S.A/Canada)
 230 V AC, 50Hz (Europe)
 240 V AC, 50Hz (U.K/Australia)
Power Consumption 9W (V-370/V-390CHX)
Weight 3.0kg (6-5/8 lbs)
Dimensions (W*H*D)
 435*130*215mm
 (17-1/8"*5-1/8"*8-7/16")

SERVICE DATA

MECHANICAL

Tape Speed Deviation 3,000 Hz +90, -60 Hz
Tape Speed Drift 45 Hz
Wow and Flutter
 Playback: 0.35% (RMS)
Pinch Roller Pressure 250g to 470g (8.8 oz to 16.5 oz)
Reel Torque
 Take-up: 30 to 60 g-cm (0.42 to 0.83 oz-inch)
 Supply: 1 to 4 g-cm (0.014 to 0.056 oz-inch)
 F.F: 55 to 120g-cm (0.76 to 1.67 oz-inch)
 REW: 55 to 120g-cm (0.76 to 1.67 oz-inch)
Fast Wind Time
 120 sec or less for MTT-5511 (C-60)
Auto End-stop Time 6 sec. or less
Signal-to-noise Ratio
 Playback: NORMAL: 46 dB min.
 Record/playback: METAL, CrO2: 46 dB min.
 NORMAL: 45 dB min.

Erase Efficiency

65dB min. at 1KHz (measured with input 10dB higher than the specified input level).
Channel Separation 30 dB min. at 1KHz
Adjacent Track Crosstalk 40 dB min. at 125 Hz
Total Harmonic Distortion 2.0% or less with NORMAL,
2.5% or less with CrO2, METAL

NOTES:

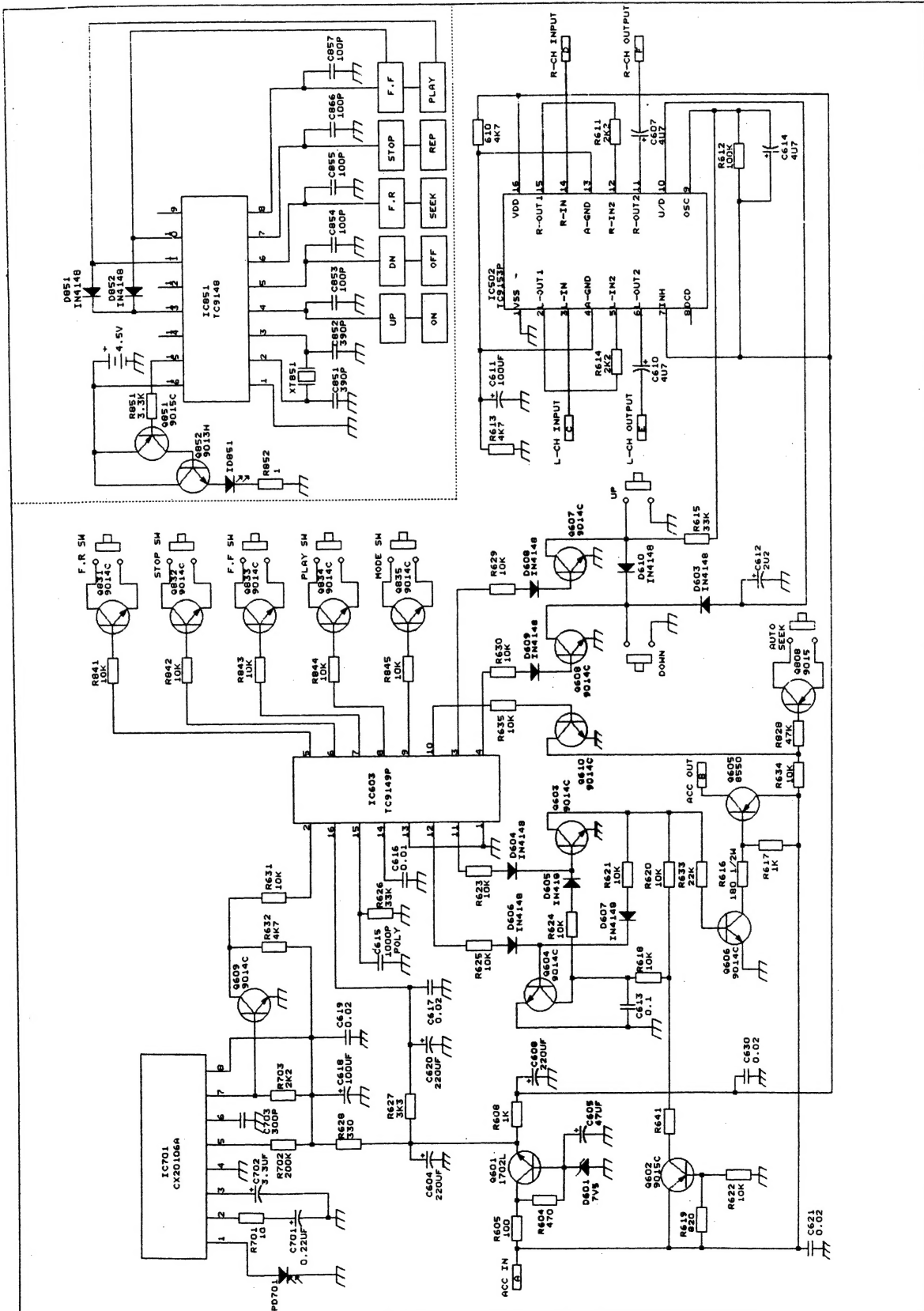
Improvements may result in SPECIFICATIONS AND SERVICE DATA changes.
Value of "dB" in the data refers to 0 dB (0.775 V), except where Specified.

Zusatz zur Serviceanweisung Midi 2275/MC 120 UK

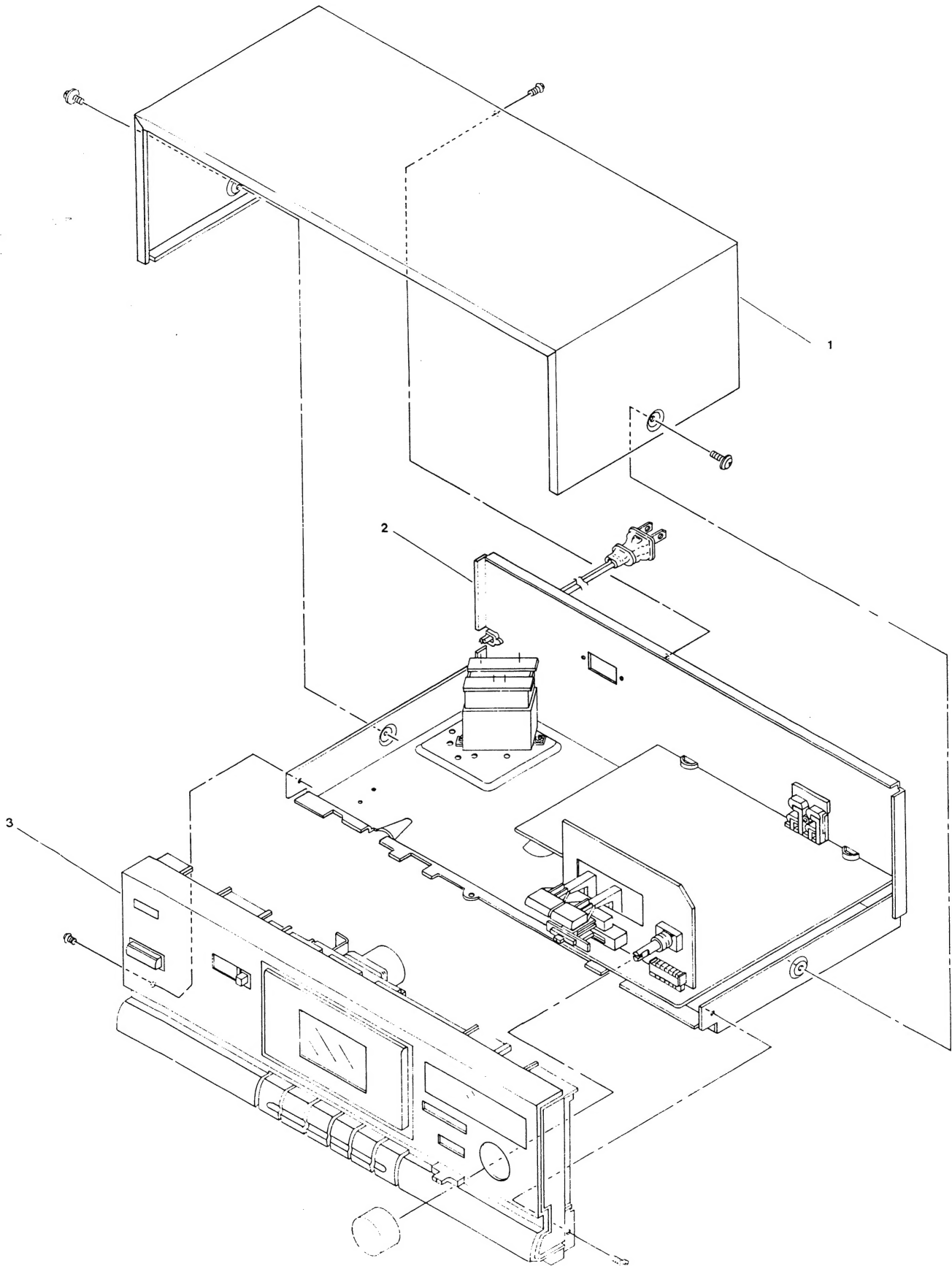
Additional service manual Midi 2275/MC 120 UK

Ergänzung Schaltbild Hauptplatine

Supplement schematic diagram main P.C.B.



2. CASE AND FRONT PANEL REMOVAL



3. PARTS LOCATION

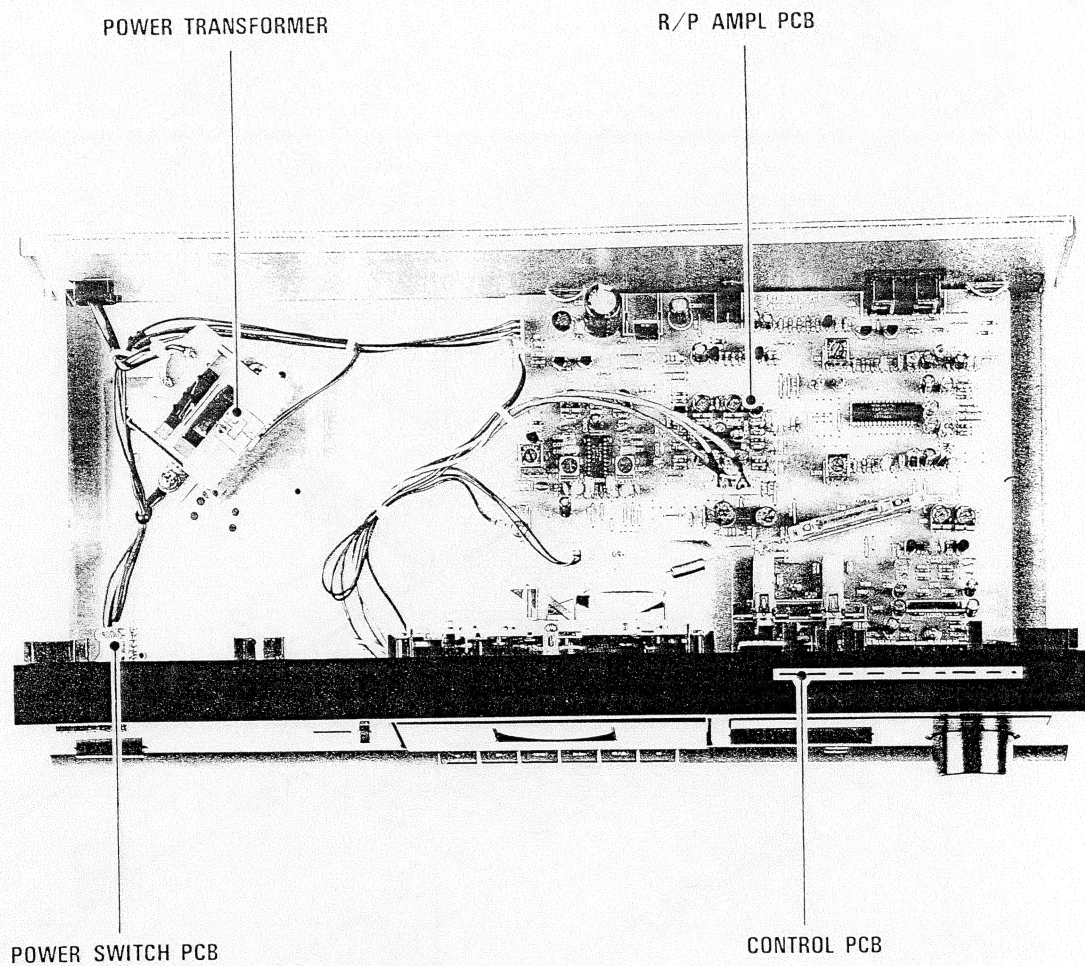


Fig. 3-1 Top view (V-390CHX)

4. MECHANICAL ADJUSTMENT AND CHECKS

4-1 WOW AND FLUTTER (PLAYBACK METHOD)

Note: These measurements should be made at the beginning, middle, and the end of the tape.

1. Connect a wow-and-flutter meter to the deck as shown in Fig. 4-1.
2. Load and play a TEAC MTT-111 test tape.
3. Check that the readings on the wow-and-flutter meter are as follows.
Specifications: 0.35% RMS

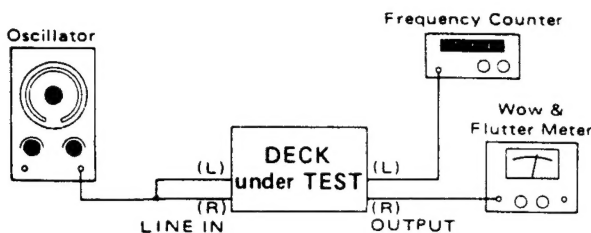


Fig. 4-1

4-4 LUBRICATION

Lubrication is only required when parts are replaced. For this purpose, use the oil specified below.

oil: TEAC spindle oil (from TEAC TZ-255 oil kit),
Mobil D.T.E. oil Light, or equivalent

1. Apply a drop of oil with an oil applicator to a point about 1/3 the way down the shaft (from the free end) of flywheel, then insert the shaft into the capstan housing.

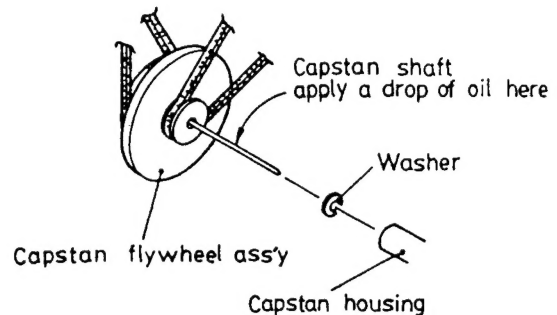


Fig. 4-2

4-2 TAPE SPEED

1. Connect a frequency counter to the deck as shown in Fig. 4-1.
2. Playing the mid portion of an MTT-111 test tape adjust the semi-fixed resistor on capstan motor so that tape speed becomes 3,000 Hz \pm 5 Hz. An insulated and non-metallic flat-head screwdriver should be used for this adjustment.
3. In play mode, check that the following values are obtained at the beginning and at the end of the tape.
Deviation: 3,000 Hz \pm 30 Hz
Width of deviation: Within 45 Hz

4-3 REEL TORQUE

1. Load the cassette torque meter on the deck and read the pointer indication on the dial scale for each tape transport operation. The measured torque should be within the following specified values:
Specifications:
Take-up:
30 to 60 g-cm (0.42 to 0.83 oz-inch)
Supply:
1 to 4 g-cm (0.014 to 0.056 oz-inch)
F.F:
55 to 120 g-cm (0.76 to 1.67 oz-inch)
REW:
55 to 120 g-cm (0.76 to 1.67 oz-inch)

4-5 VOLTAGE CONVERSION (General Export Models only)

1. ALWAYS DISCONNECT THE POWER LINE CORD BEFORE MAKING THESE ADJUSTMENTS!
2. Locate the voltage selector on the rear panel.
3. Using a regular screwdriver, turn the selector until the numerals corresponding to the voltage requirements of your area appear.

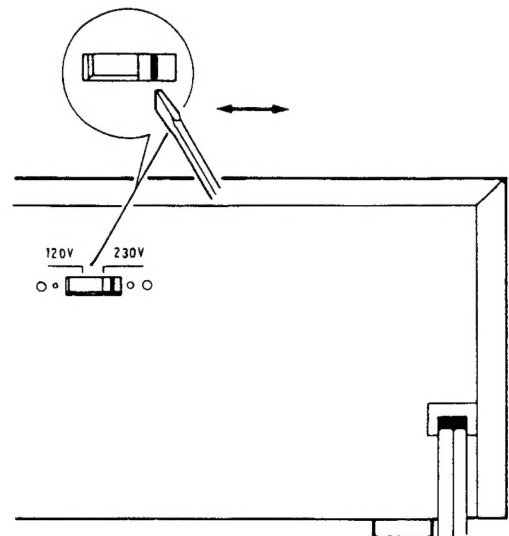


Fig. 4-3

5. ELECTRICAL ADJUSTMENT AND CHECKS

5-1 PRECAUTIONS

1. Before performing adjustments and checks clean and de-magnetize the entire tape path.
2. Make sure the deck is properly set for the voltage in your locality.
3. In general, adjustments and checks are made in the order of L-ch then R-ch. Double REF. Nos. indicate L-ch/R-ch. (Example: R11/R21)
4. 0 dB is referenced to 0.775 V. If an AC voltmeter that references 0 dB to 1 V is used, appropriate compensation should be made.
5. The AC voltmeter used in the procedures must have an input impedance of 1 M-ohms or more.
6. Note the "Deck settings" at the top of each chart. The settings apply to all check for a specific chart unless explicitly stated otherwise.
7. Input terminals and measuring points at each step are the same as previous step, otherwise specified.

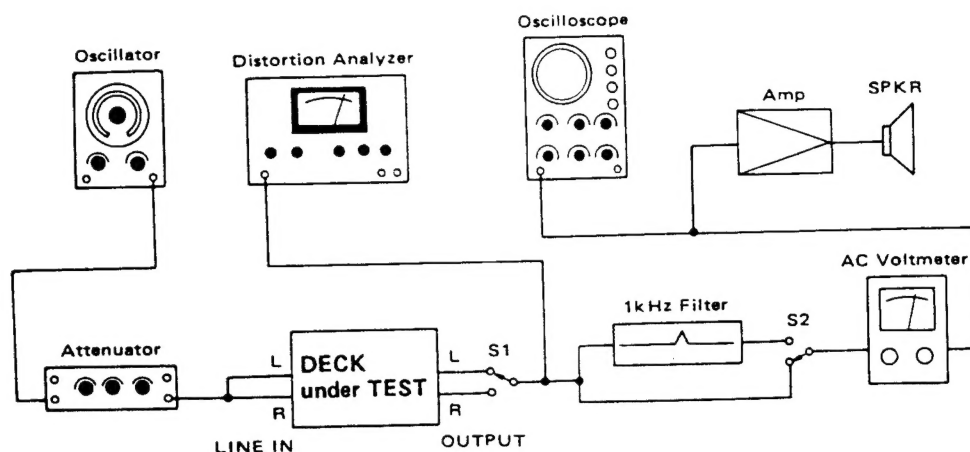


Fig. 5-1 Basic test setup

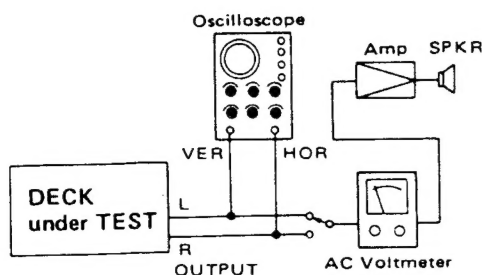


Fig. 5-2 Test setup for azimuth check

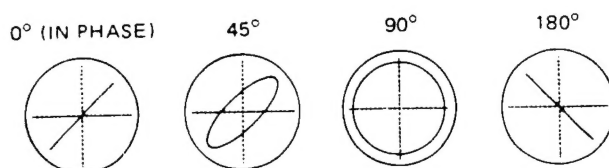


Fig. 5-3 Confirming phase relationship

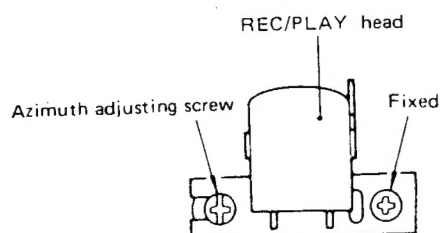


Fig. 5-4 Azimuth screw location

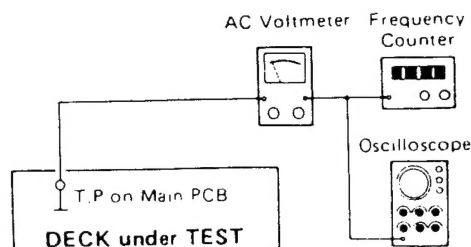
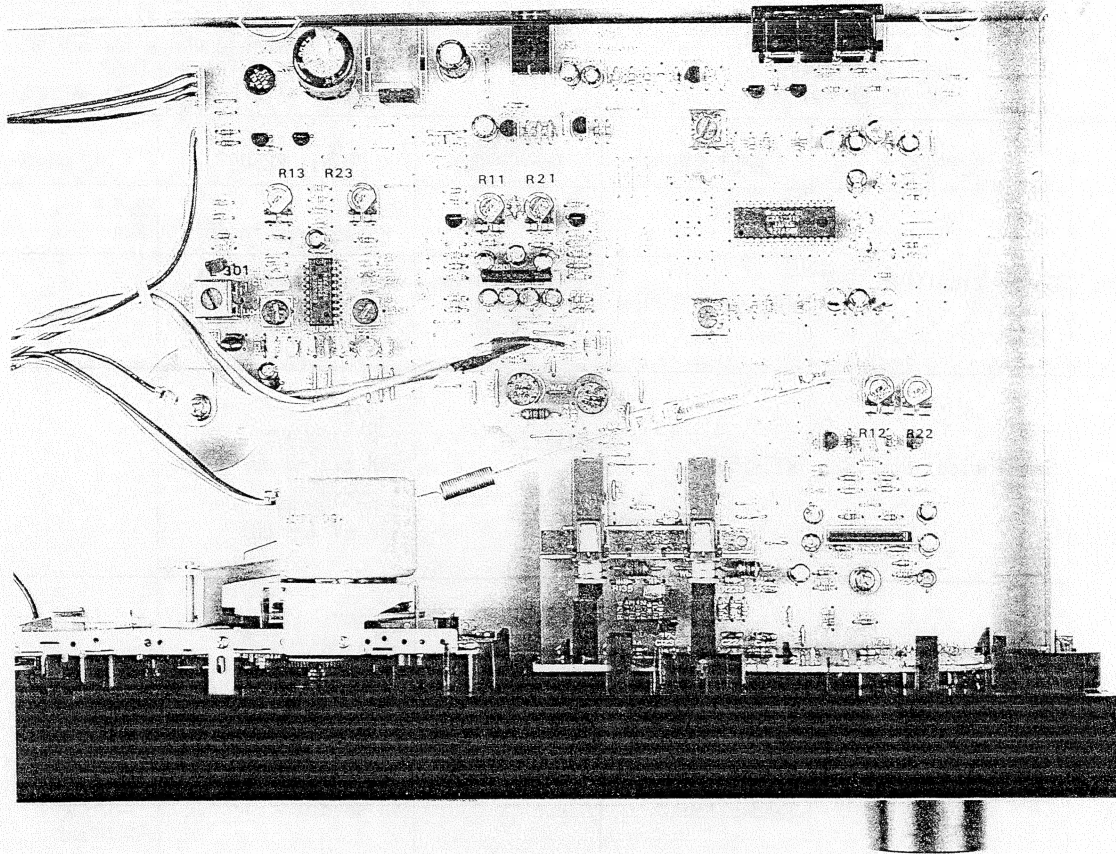


Fig. 5-5 Test setup for bias adjustment

5-2 ADJUSTMENT LOCATIONS



Function		Adjustments	Test Point (Measuring Point)
Specified output level		R11/R21	T.P L/R (DOLBY)
Bias OSC		V-370: L302 V390CHX: L301	Bias T.P (Both side of R201)
Record Bias	NORMAL	R13/R23	OUTPUT Terminals
Record level	NORMAL	R12/R22	OUTPUT Terminals
REC/PLAY Frequency Response		Check	OUTPUT Terminals

Fig. 5-6

5-3 PLAYBACK PERFORMANCE

Deck settings:
NR SYSTEM sw: OUT

TEAC test tapes:
MTT-150C: For Dolby level calibration
MTT-256: For playback frequency response check for NORMAL
MTT-356: For METAL and CrO2
MTT-5511: For S/N check with NORMAL

ITEM	SETTING	INPUT SIGNAL	ADJUST (or CHECK)	MEASURING POINT: RESULT	REMARKS
1. REC/PLAY head azimuth	Connection: Fig. 5-2	MTT-150C	Check	OUTPUT: Phase: within 45°	Refer to Fig. 5-3
		MTT-256 (10 KHz)	Azimuth screws or R-P head (Fig. 5-4)	Phase between L-ch /R-ch: 0° Max. output at L-ch & R-ch	
2. Specified output level	Connection: Fig. 5-1	MTT-150C	R11/R21	V-370: T.P. (DOLBY) 548 mV (-3 dB) V-390CHX: T.P. (DOLBY) 388 mV (-6 dB)	
	Connection: Fig. 5-1	MTT-150C	Check	OUTPUT: -3.5 dB \pm 1 dB (462 to 581 mV)	
3. Signal-to- noise ratio S/N	Tape: MTT-5511 Play mode	MTT-5511 (Playing a leader tape)	Check	OUTPUT: 45 dB min.	Ratio of spec. output level -3.5 dB to noise

5-4 MONITOR PERFORMANCE

Deck settings:
RECORD-PAUSE mode
NR SYSTEM sw: OUT

ITEM	SETTING	INPUT SIGNAL	ADJUST (or CHECK)	MEASURING POINT: RESULT	REMARKS
4. Specified LINE input level	—	400 Hz/-9 dB (275 mV)	RECORDING LEVEL cont. (L/R)*	OUTPUT: -3.5 dB \pm 1 dB (462 to 581 mV)	
	*After adjusting, do not move (Specific position)				

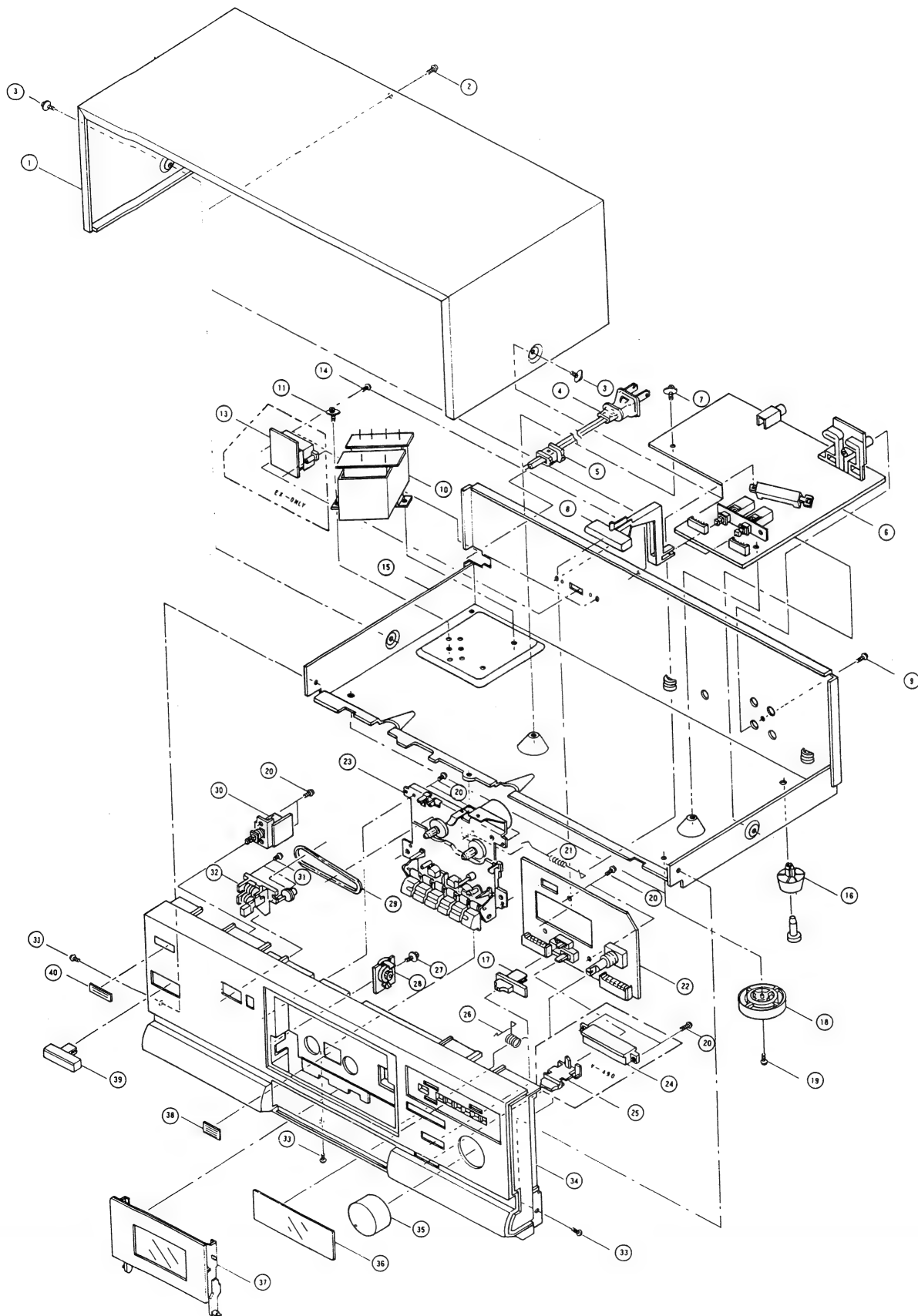
5-5 RECORDING PERFORMANCE

Deck settings:
NR SYSTEM sw: OUT
RECORD cont. (L/R): Spec. position (item 5)

TEAC recording test tapes
MTT-5571: For METAL
MTT-5561: For CrO2
MTT-5511: For NORMAL

ITEM	SETTING	INPUT SIGNAL	ADJUST (or CHECK)	MEASURING POINT: RESULT	REMARKS
5. BIAS osc. frequency	Connection: Fig. 5-5 Tape: MTT-5511 RECORD/PAUSE mode	no signal	V-370: L302 V-390CHX: L301	Bias T.P (Both side of R201) 100 KHz	Refer to Fig. 5-5
6. Record bias	Connection: Fig. 5-1 Tape: MTT-5511 RECORD/PLAY mode	LINE IN: 400 Hz & 10 KHz Alternately/ -42 dB (6.15 mV) Record and reproduce them.	R13/R23	OUTPUT: Nearly equal level at both frequencies	Repeat if the result is unsatisfactory
7. BIAS FINE control check	Tape: MTT-5511 BIAS FINE cont: fully "-" position then fully "+" position	10 KHz/-42 dB (6.15 mV)	Check	Measure output level (record playback) at "-" position then at "+" position Variation between "-" and "+" positions: 4 dB or more	V-390CHX ONLY
8. Record level	Tape: MTT-5511	400 Hz/-12 dB (195 mV) Record and reproduce them.	R12/R22	-6.5 dB (367 mV)	
	Tape: MTT-5561 Tape: MTT-5571 NR SYSTEM: IN & OUT		Check	-6.5 dB \pm 1.5 dB (308 mV \sim 436 mV)	
9. Overall S/N ratio	Tape: MTT-5571 Tape: MTT-5561 Tape: MTT-5511	1 KHz/-9 dB (275 mV) ↓ no signal	Check	OUTPUT: 46 dB min. [METAL, CrO2] 45 dB min. [NORMAL]	Ratio of specified output level: -3.5 dB to noise

EXPLODED VIEW-1



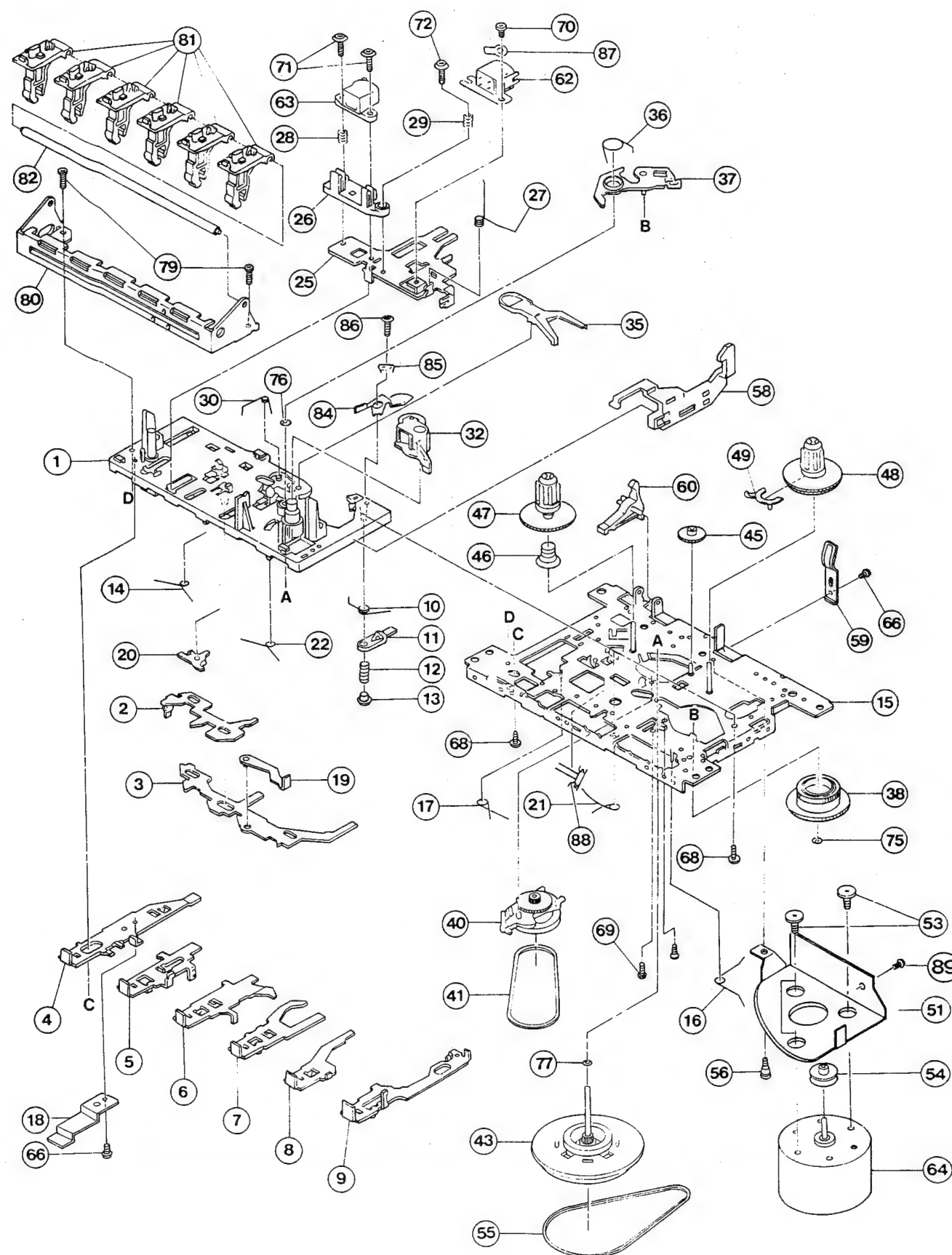
EXPLODED VIEW-1 Parts marked with *require longer delivery time

REF.NO.	PARTS NO.	DESCRIPTION	MODELS	REMARKS
1 - 1	92600530-01	BONNET		
1 - 2	97835930-08	SCREW C-TITE M3*8 (NI-BLK)		
1 - 3	97830530-06	SCREW CAP-S M3*6 (BLK)		
1 - 4	△ 91090258-00	AC CORD (UL) SPT-1		
	△ 91090257-01	AC CORD (EUR) CEE CLASS2		
	△ 91090260-00	AC CORD (AUS)		
	△ 91090261-00	AC CORD (JPN) MP-220		
	△ 91090259-01	BS CORD		
1 - 5	△ 91210001-00	BUSHING #2271		
	△ 91210001-01	BUSHING #2271 (CND) ONLY		
1 - 6	*91550911-00	R/P AMP PCB (V-370)		
	*91450921-00	R/P AMP PCB (V-390CHX)		
1 - 7	97831030-06	SCREW CAP-S M3*6		
1 - 8	*92601378-00	PUSH BUTTON (V-370)		
1 - 9	97836030-08	SCREW BTT-P M3*8		
1 - 10	△ 91250530-00	POWER TRANSFORMER (UL)		
	△ 91250532-01	POWER TRANSFORMER (EUR)		
	△ 91250533-01	POWER TRANSFORMER (EX)		
	△ 91250535-01	POWER TRANSFORMER (CSA)		
	△ 91250538-00	POWER TRANSFORMER (JPN)		
1 - 11	97832940-08	SCREW BTT-S M4*8		
1 - 13	*91450913-00	SELECTOR SW PCB ASSY (V-370)		
	*91450923-00	SELECTOR SW PCB ASSY (V-390CHX)		
1 - 14	97836030-08	SCREW BTT-P M3*8		
1 - 15	92601432-00	MAIN CHASSIS (TCA) (V-370)		
	92601433-00	MAIN CHASSIS (EX) (V-370)		
	92601434-00	MAIN CHASSIS (EUR) (V-370)		
	92601435-00	MAIN CHASSIS (TCA) (V-390CHX)		
	92601436-00	MAIN CHASSIS (EX) (V-390CHX)		
	92601437-00	MAIN CHASSIS (EUR) (V-390CHX)		
1 - 16	92601140-00	FOOT (FF-025)		
1 - 17	92601377-01	DOLBY KNOB B		
1 - 18	92601139-01	FOOT ASSY φ 56		
1 - 19	97832030-08	SCREW BTT-S M3*8		
1 - 20	97836030-08	SCREW BTT-P M3*8		
1 - 21	*92601380-00	REC BAR		
1 - 22	*91450912-00	CONTROL PCB ASSY		
1 - 23	*92782109-04	MECHANISM R/P ASSY		
1 - 24	*92600801-00	VR RAIL B (V-390CHX)		
1 - 25	*92601375-01	BIAS FINE KNOB		

EXPLODED VIEW-1 Parts marked with *require longer delivery time

REF.NO.	PARTS NO.	DESCRIPTION	MODELS	REMARKS
1 - 26	*92600879-00	SPRING CASE		
1 - 27	97834130-08	SCREW CAP-P M3*8 (BLK)		
1 - 28	92600773-01	DAMPER		
1 - 29	92601382-00	COUNTER BELT φ 43		
1 - 30	*91450914-00	POWER SW PCB ASSY		
1 - 31	97836026-08	SCREW BTT-P M2.6*8		
1 - 32	92600818-00	COUNTER		
1 - 33	97832030-05	SCREW BTT-S M3*5		
1 - 34	*92601372-01	FRONT PANEL (V-370)		
	*92601464-01	FRONT PANEL (V-390CHX)		
1 - 35	*92601374-01	VR KNOB		
1 - 36	*92601541-00	METER COVER (V-370)		
	*92601385-00	METER COVER (V-390CHX)		
1 - 37	*92601539-01	LOADING CASE (V-370)		
	*92601384-01	LOADING CASE (V-390)		
1 - 38	*58008224-00	REFLECT TAPE		
1 - 39	*92601329-00	POWER BUTTON		
1 - 40	58014132-00	TEAC EMBLEM		

6. EXPLODED VIEWS AND PARTS LIST EXPLODED VIEW-2



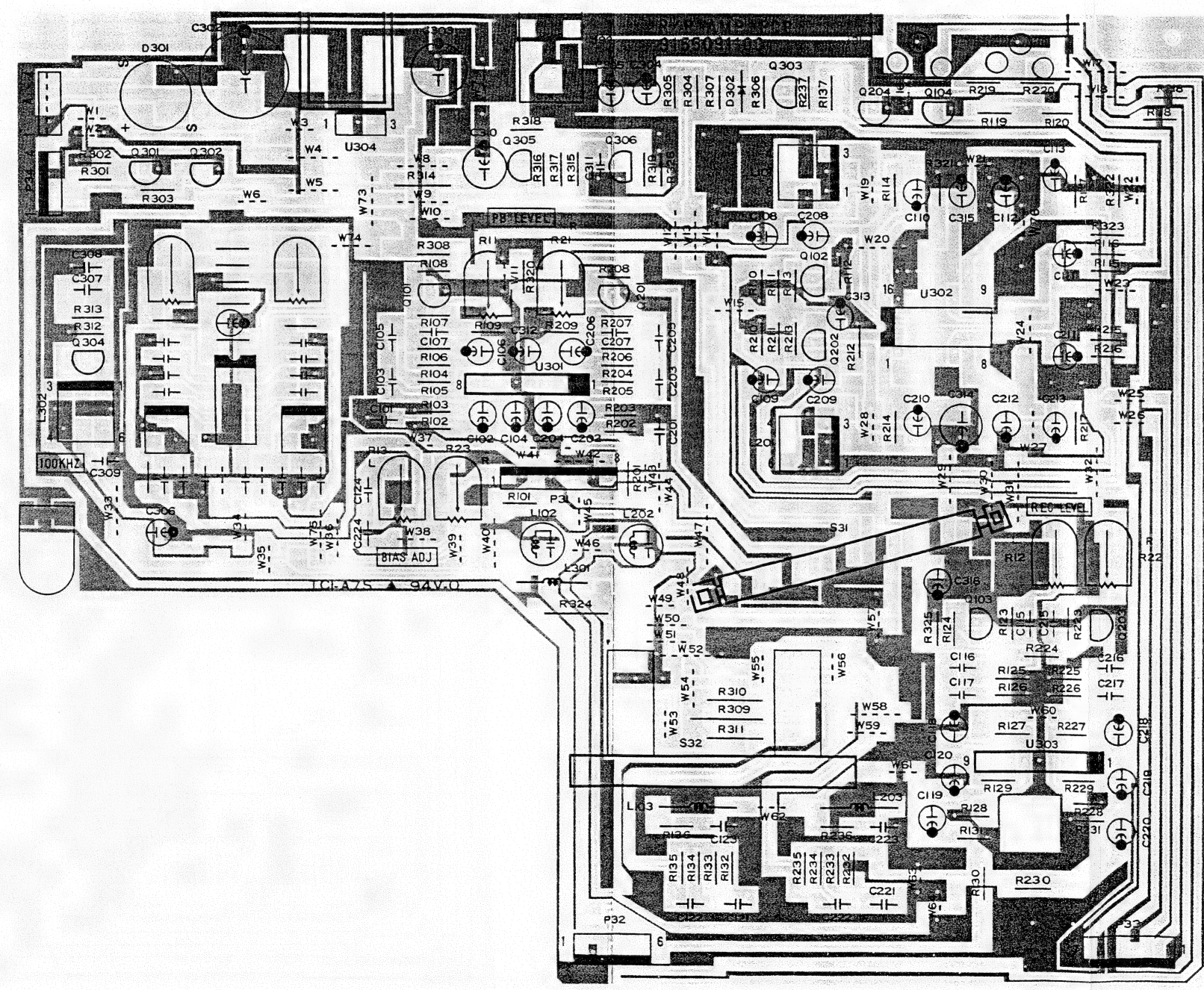
EXPLODED VIEW-2

REF.NO.	PARTS NO.	DESCRIPTION
2 - 1	9278266000	BASE ASSY
2 - 2	9278266100	SWITCH ACTUATOR
2 - 3	9278266200	PUSH BUTTON ACTUATOR
2 - 4	9278266300	REC BUTTON LEVER
2 - 5	9278266400	PLAY BUTTON LEVER
2 - 6	9278266500	REW BUTTON LEVER
2 - 7	9278266600	FF BUTTON LEVER
2 - 8	9278266700	STOP BUTTON LEVER
2 - 9	9278306300	PAUSE BUTTON LEVER
2 - 10	9278306400	P CONTROL SPRING
2 - 11	9278306500	PAUSE LEVER
2 - 12	9278267100	PAUSE LEVER SPRING
2 - 13	9278267200	PAUSE STOPPER
2 - 14	9278267300	BUTTON LEVER SPRING (A)
2 - 15	9278267400	CHASSIS ASSY
2 - 16	9278267500	E ACTUATOR SPRING
2 - 17	9278267600	P.S. LEVER SPRING
2 - 18	9260080300	REC LEVER
2 - 19	9278267700	E KICK LEVER
2 - 20	9278267800	PR STOPPER
2 - 21	9278267900	REC BUTTON LEVER SPRING
2 - 22	9278268000	BUTTON LEVER SPRING (B)
2 - 25	9278307100	HEAD PANEL
2 - 26	9278268200	HEAD BASE
2 - 27	9278268300	PANEL P SPRING
2 - 28	9278197900	E.H. SPRING
2 - 29	9278198400	AZIMUTH SPRING
2 - 30	9278307200	M CONTROL SPRING
2 - 32	9278268700	PINCH ROLLER ARM ASSY
2 - 35	9278307300	SENSING LEVER
2 - 36	9278268900	GEAR PLATE SPRING
2 - 37	9278289000	GEAR PLATE ASSY
2 - 38	9278289100	CAM GEAR
2 - 40	9278289200	RF CLUTCH ASSY
2 - 41	9278307400	RF BELT
2 - 43	9278289400	FLYWHEEL ASSY
2 - 45	9278199900	FF GEAR
2 - 46	9278307500	BACK TENSION SPRING
2 - 47	9278307600	SUPPLY REEL ASSY
2 - 48	9278306600	TAKE UP REEL ASSY

REF.NO.	PARTS NO.	DESCRIPTION
1 - 49	9278289900	SENSOR
1 - 51	9278307700	MOTOR BRACKET
1 - 53	9278294600	MOTOR COLLAR SCREW
1 - 54	9278306100	MOTOR PULLEY
1 - 55	9278290300	MAIN BELT
1 - 56	9278290400	MB SCREW
1 - 58	9278290500	EJECT SLIDE LEVER
1 - 59	9278201401	PACK SPRING
1 - 60	9278200300	RECORD SAFETY LEVER
1 - 62	9278211800	R/P HEAD
1 - 63	9278308600	E HEAD
1 - 64	9278212000	MOTOR SHU2L50
1 - 66	9278202000	C TAPPING SCREW M2*8
1 - 68	9278202200	P TAPPING BIND SCREW M2*5
1 - 69	9278291000	TAPPING SCREW M2*4.5
1 - 70	9278251800	BIND SCREW M2*3
1 - 71	9278307900	CAP SCREW M2*7.5
1 - 72	9278308000	CAP SCREW M2*7
1 - 75	9278291400	P WASHER CUT 1.2*3.8*0.3
1 - 76	9278291500	H.L. WASHER CUT 1.45*3.2*0.5
1 - 77	9278308400	P WASHER CUT 2*3.5*0.4
1 - 79	9278291700	S TAPPING SCREW M2*8
1 - 80	9278203700	B FRAME (B)
1 - 81	9278203600	OPERATION LEVER
1 - 82	9278292000	BUTTON LEVER SHAFT
1 - 84	9278292100	P ARM
1 - 85	9278292200	P ARM COLLAR
1 - 86	9278308500	PS TAPPING SCREW 2*3.5
1 - 87	9278292400	B3 LUG
1 - 88	9278292500	LEAF SWITCH
1 - 89	9278202100	C TAPPING SCREW M2*4

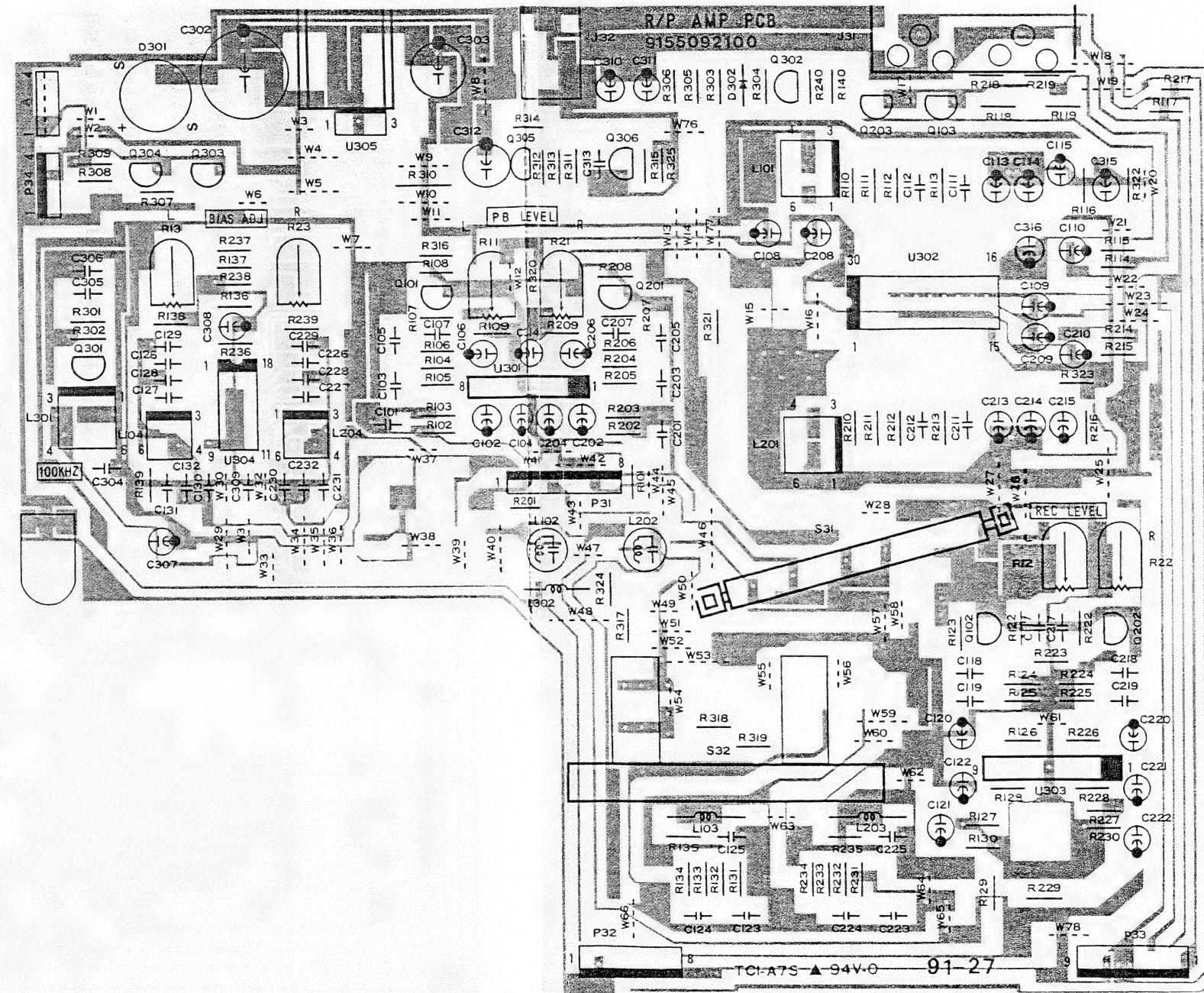
V-370/V-390CHX V-370/V-390CHX

R/P AMPL PCB ASSY (V-370)

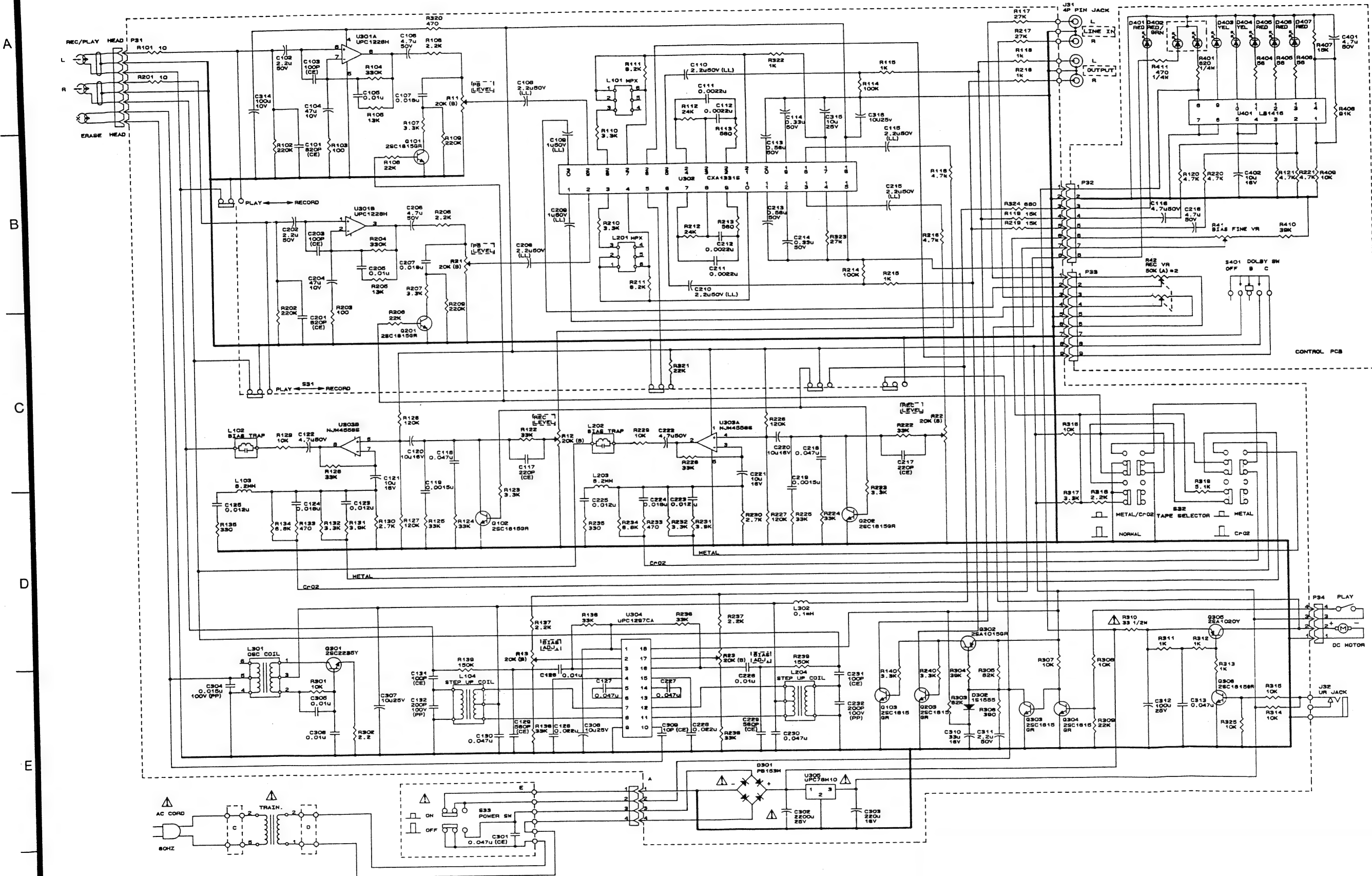


V-370/V-390CHX V-370/V-390CHX

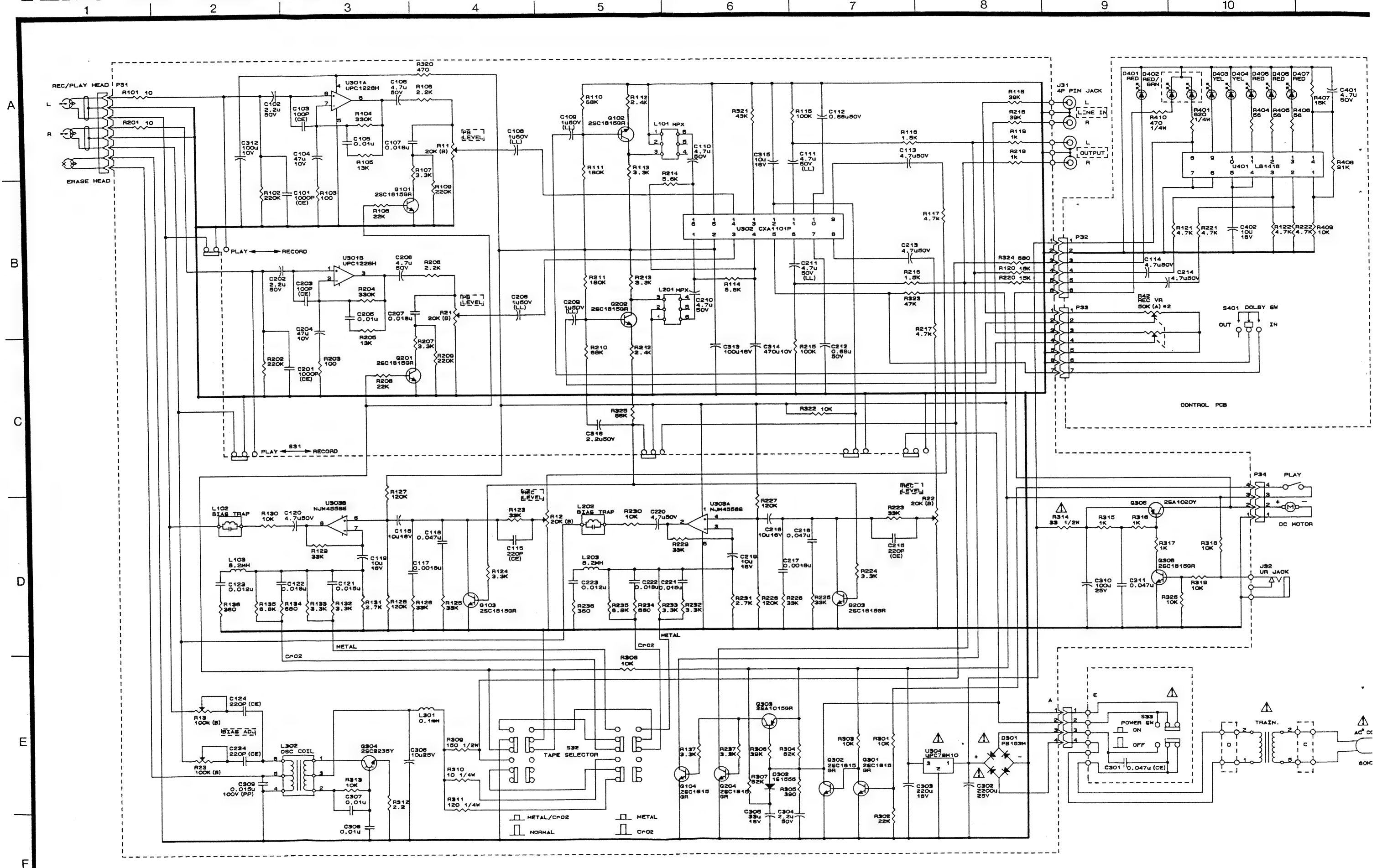
R/P AMPL PCB ASSY (V-390 CHX)



TEAC SCHEMATIC DIAGRAM V-390CHX



TEAC SCHEMATIC DIAGRAM V-370

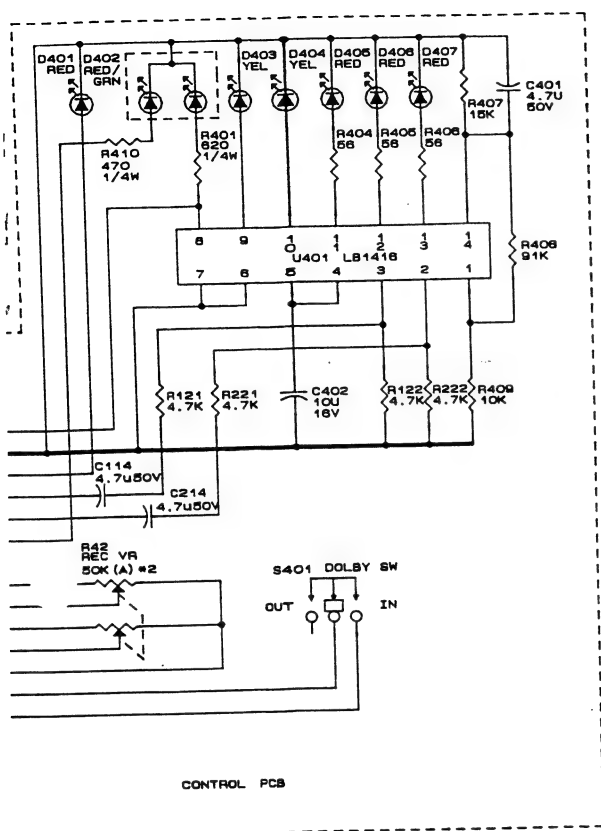


R/P AMP PCB ASS'Y (V-390CHX)

REF.NO.	PARTS NO.	DESCRIPTION
	91450921-01	R/P AMP PCB ASS'Y
	91550921-00	R/P AMP PCB
U301	91670104-00	IC uPC1228H
U302	91670192-00	IC CXA1331S
U303	91670121-00	IC NJM4558S
U304	91670128-00	IC uPC1297CA
U305	△91670131-00	IC uPC78M10
Q101 Q201	91633094-20	TR, 2SC1815GR
Q102 Q202	91633094-20	TR, 2SC1815GR
Q103 Q203	91633094-20	TR, 2SC1815GR
Q301	91633089-00	TR, 2SC2235Y
Q302	91630099-20	TR, 2SA1015GR
Q303 Q304	91633094-20	TR, 2SC1815GR
Q305	91630116-20	TR, 2SA1020Y
Q306	91633094-20	TR, 2SC1815GR
D301	△91650215-00	DIODE PB153M
D302	91650202-50	DIODE 1S1555 P=52mm
L101 L201	91730070-00	LOW PASS FILTER MPX
L102 L202	91220176-00	BIAS TRAP COIL 100KHz
L103 L203	91220189-10	COIL 8.2mH P=14mm
L104 L204	91220184-00	STEP UP COIL
L301	91730034-00	OSC COIL 100KHz
L302	91220191-00	COIL 0.1mH
R11 R21	91120170-00	SEMI-FIXED VR 20K(B)
R12 R22	91120170-00	SEMI-FIXED VR 20K(B)
R13 R23	91120170-00	SEMI-FIXED VR 20K(B)
J31	53305066-00	4P PIN JACK (YKC21-0016A)
J32	91432290-00	MINIATURE JACK (YKB21-5129)
S31	91340091-01	SLIDE SWITCH 6-2
S32	91340102-00	PUSH SW 2 GANG (HY-78041)
P31	91431760-00	CONNECTOR PLUG 8P (B8B-EH-A)
P32	91400980-08	BASE PIN 8P (B8P-MQ)
P33	91400980-09	BASE PIN 9P (B9P-MQ)
P34	91431720-00	CONNECTOR PLUG 4P (B4B-EH-A)

R/P AMP PCB ASS'Y (V-370)




REF.NO.	PARTS NO.	DESCRIPTION
	91450911-00	R/P AMP PCB ASS'Y
	91550911-00	R/P AMP PCB
U301	91670104-00	IC μ PC1228H
U302	91670127-00	IC CXA1101P
U303	91670121-00	IC NJM4558S
U304	Δ 91670131-00	IC μ PC78M10
Q101 Q201	91633094-20	TR, 2SC1815GR
Q102 Q202	91633094-20	TR, 2SC1815GR
Q103 Q203	91633094-20	TR, 2SC1815GR
Q104 Q204	91633094-20	TR, 2SC1815GR
Q301 Q302	91633094-20	TR, 2SC1815GR
Q303	91630099-20	TR, 2SA1015GR
Q304	91633089-00	TR, 2SC2235Y
Q305	91630116-20	TR, 2SA1020Y
Q306	91633094-20	TR, 2SC1815GR
D301	Δ 91650215-00	DIODE PB153M
D302	91650202-50	DIODE 1S1555 P=52mm
L101 L201	91730025-01	LOW PASS FILTER MPX
L102 L202	91220176-00	BIAS TRAP COIL 100KHz
L103 L203	91220189-10	COIL 8.2mH P=14mm
L301	91220191-00	COIL 0.1mH
L302	91730034-00	OSC COIL 100KHz
R11 R21	91120170-00	SEMI-FIXED VR 20K(B)
R12 R22	91120170-00	SEMI-FIXED VR 20K(B)
R13 R23	91120020-00	SEMI-FIXED VR 100K(B)
J31	53305066-00	4P PIN JACK (YKC21-0016A)
J32	91342290-00	MINIATURE JACK (YKB21-5129)
S31	91340091-01	SLIDE SWITCH 6-2
S32	91340102-00	PUSH SW 2 GANG (HY-78041)
P31	91341760-00	CONNECTOR PLUG 8P (B8B-EH-A)
P32	91400980-06	BASE PIN 6P (B6P-MQ) P=2mm
P33	91400980-07	BASE PIN 7P (B7P-MQ) P=2mm
P34	91431720-00	CONNECTOR PLUG 4P (B4B-EH-A)

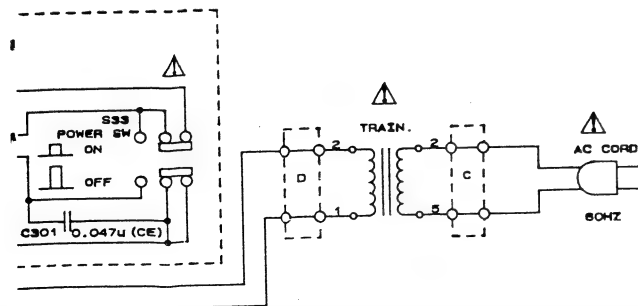
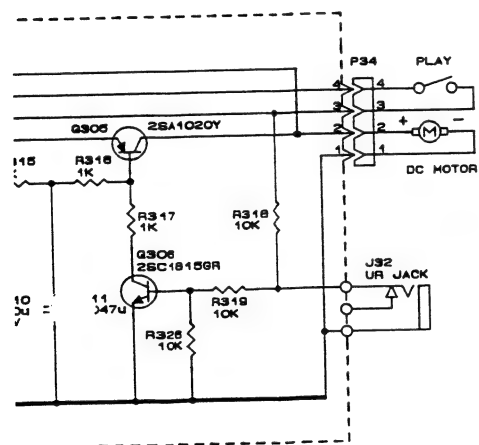


INSTRUCTIONS FOR SERVICE PERSONNEL

BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

NOTES

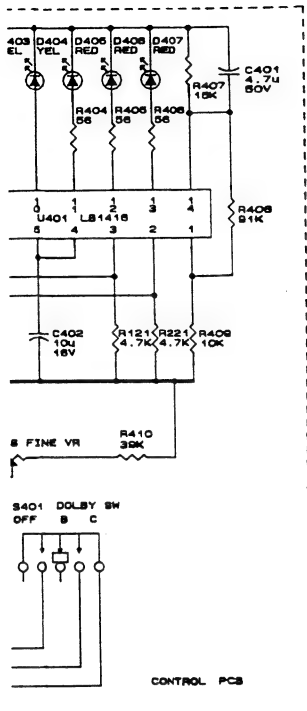
1. Resistor values are in ohms (k=kilo-ohms, M=megohms).
2. Capacitor values are in microfarads (p=picofarads).
3. Voltage and signal level values are for reference only.
0dB=0.775V
4. : Front panel indication
5. : Rear panel indication
6.  Parts marked with this sign are safety critical components. They must always be replaced with identical components—refer to the appropriate parts list and ensure exact replacement.



V-370

Stereo Cassette Deck

1st Issue;

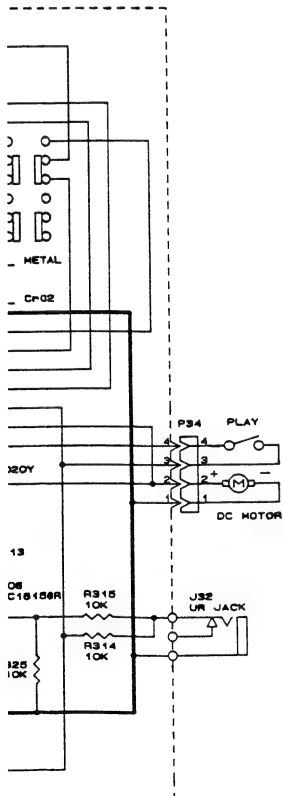


INSTRUCTIONS FOR SERVICE PERSONNEL

BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

NOTES

1. Resistor values are in ohms (k=kilo-ohms, M=megohms).
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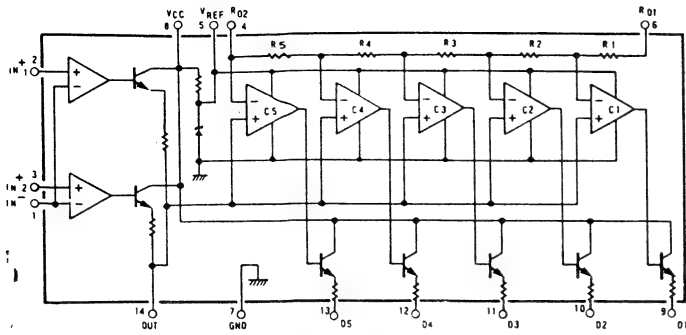


V-390CHX

Stereo Cassette Deck

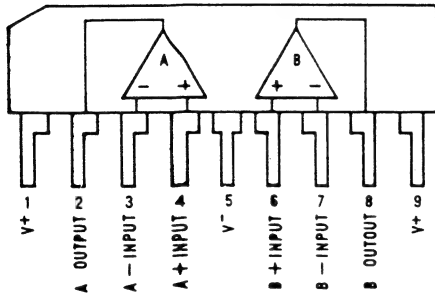
1st Issue;

LB-1416

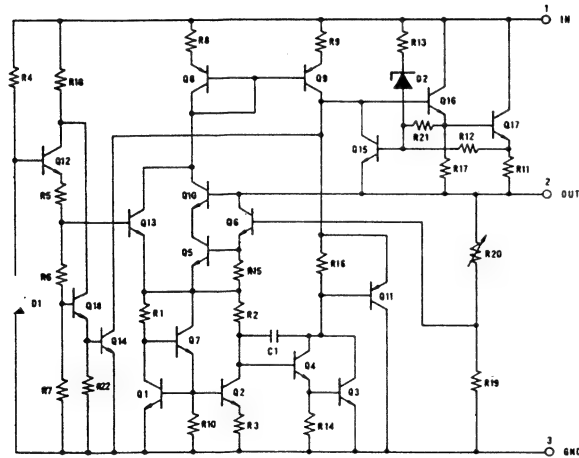


NJM4558S

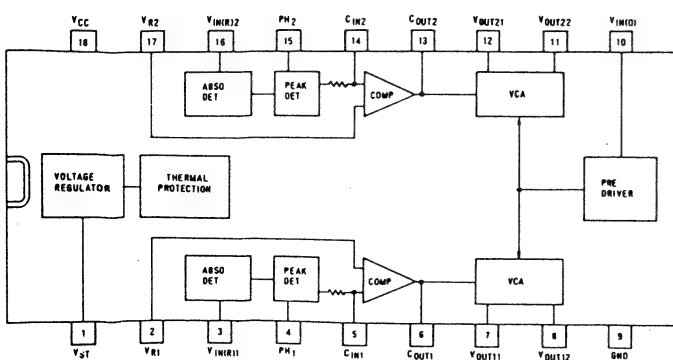
S - TYPE



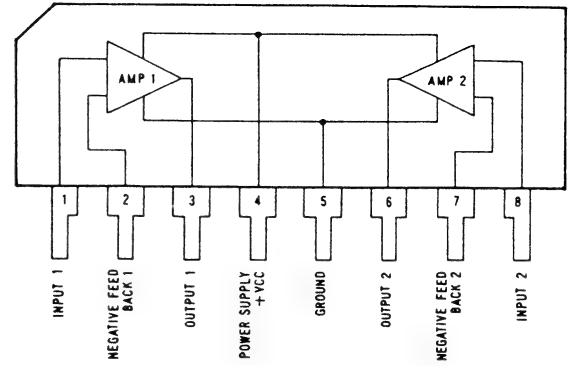
μPC78M10



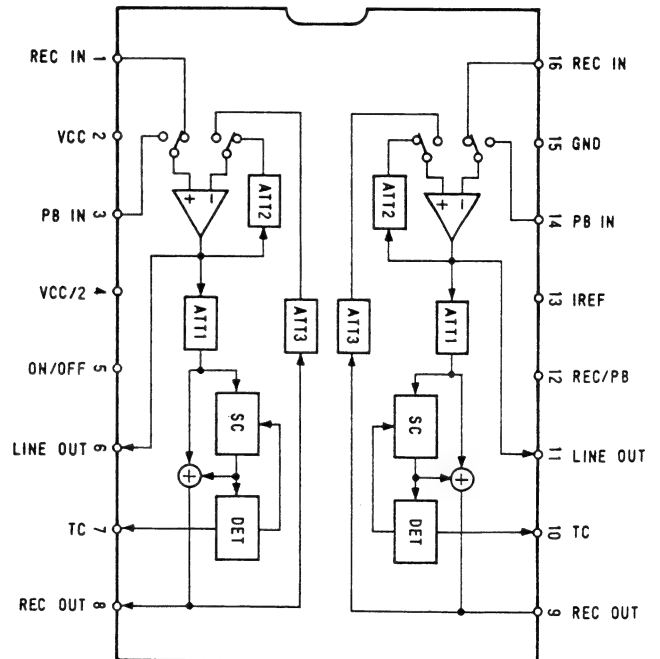
μPC1297CA



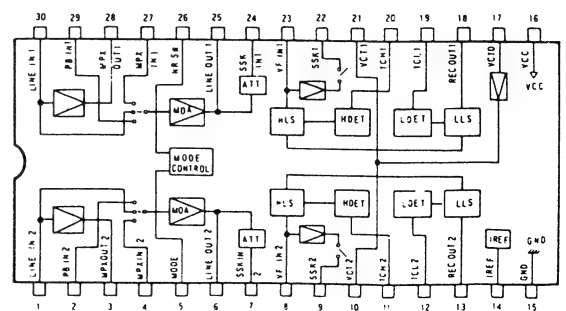
μPC1228H



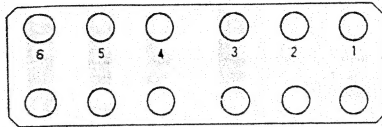
CXA1101P



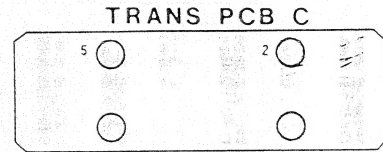
CXA-1331S



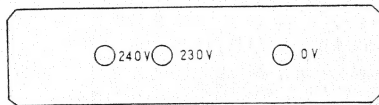
7. PC BOARDS AND PARTS LIST



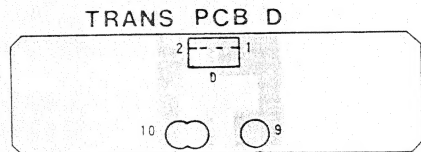
TRANS PCB A



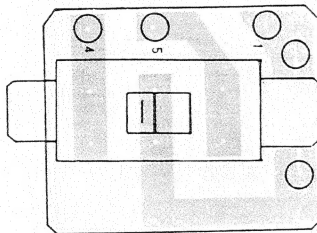
TRANS PCB C



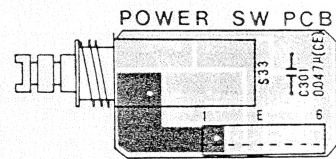
TRANS PCB B



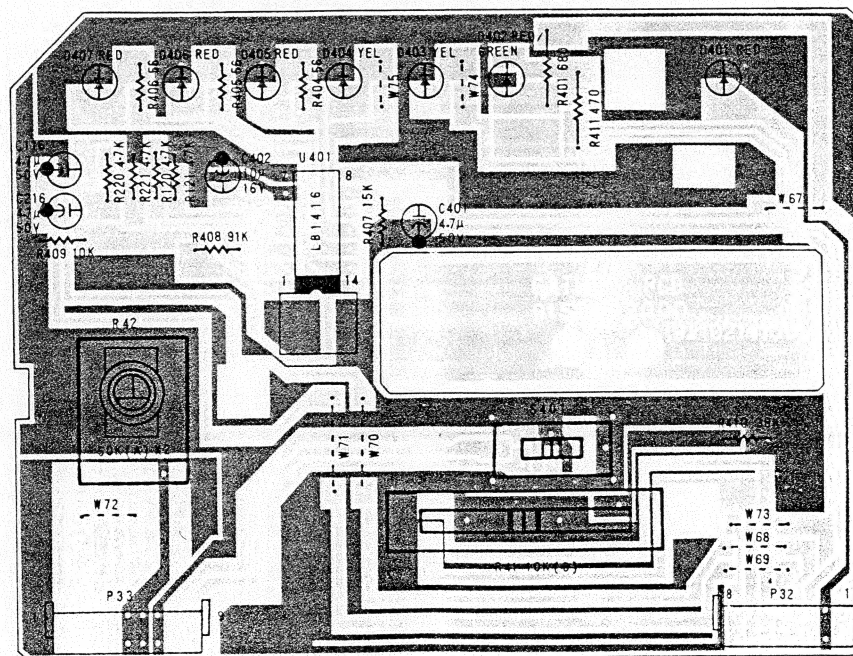
TRANS PCB D



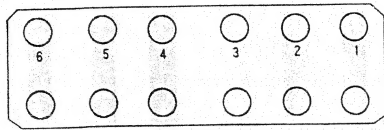
SELECTOR SW PCB



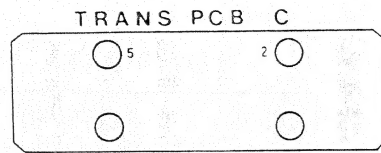
POWER SW PCB



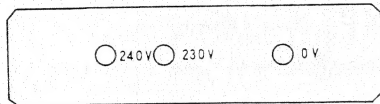
CONTROL PCB (V-390 CHX)



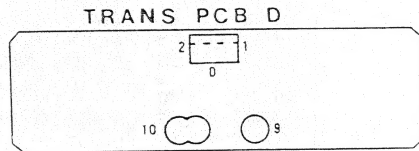
TRANS PCB A



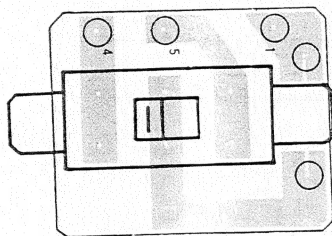
TRANS PCB C



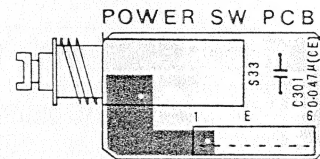
TRANS PCB B



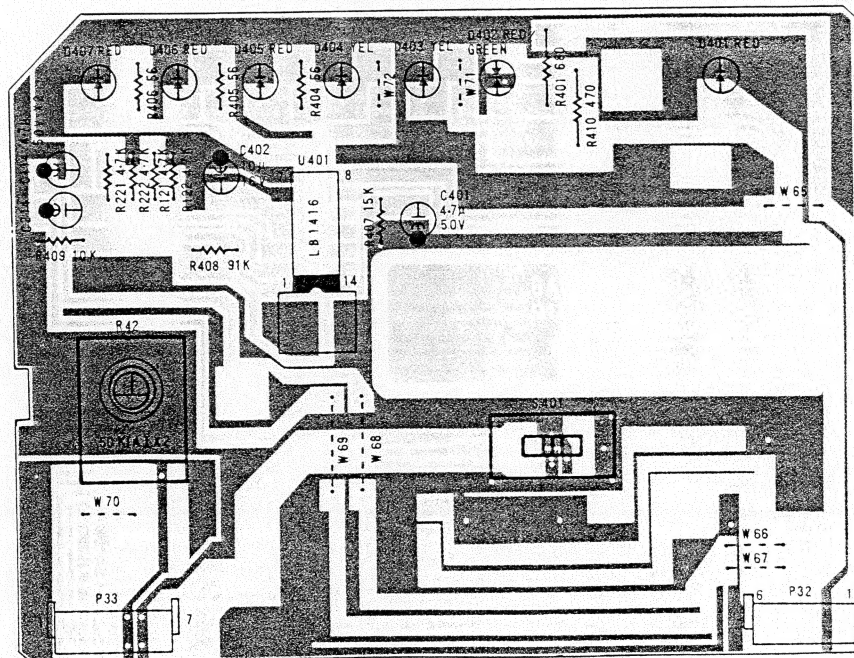
TRANS PCB D



SELECTOR SW PCB



POWER SW PCB



CONTROL PCB (V-370)

CONTROL PCB ASS'Y (V-390CHX)

REF.NO.	PARTS NO.	DESCRIPTION
	91450922-00	CONTROL PCB ASS'Y
	91550922-00	CONTROL PCB
U401	91670193-00	IC LB1416
D401	91740138-20	LED (5 ϕ) LI3331/HO/TR2 16mm
D402	91740151-00	LED RED/GREEN (EL339-1 EVGW)
D403 D404	91740137-20	LED (5 ϕ) LY3331/HO/TR2 16mm
D405 D406	91740138-20	LED (5 ϕ) LI3331/HO/TR2 16mm
D407	91740138-20	LED (5 ϕ) LI3331/HO/TR2 16mm
S401	91340104-00	SLIDE SW 1-3 (SSSF013NA1-TK)
R42	91720191-00	REC VR 50K(A)*2 RK14K12D0027TK
P32	91400970-08	SOCKET 8P (8MQ-ST)
P33	91400970-09	SOCKET 9P (09MQ-ST) P=2mm
R41	91720163-00	SLIDE VR 10KB

POWER SW PCB ASS'Y

REF.NO.	PARTS NO.	DESCRIPTION
	91450924-00	POWER SW PCB ASS'Y
	91550924-00	POWER SW PCB
	Δ 91350293-00	POWER SWITCH
	Δ 91158231-20	C, CERAMIC 0.047 μ 50VZ (YF)

SELECTOR SW PCB ASS'Y

REF.NO.	PARTS NO.	DESCRIPTION
	91450923-00	SELECTOR SW PCB ASS'Y
	91550923-00	SELECTOR SW PCB
	Δ 53009186-00	AC SELECTOR SDKGA4

CONTROL PCB ASS'Y (V-370)

REF.NO.	PARTS NO.	DESCRIPTION
	91450912-00	CONTROL PCB ASS'Y
	91550912-00	CONTROL PCB
U401	91670193-00	IC LB1416
D401	91740138-20	LED (5 ϕ) LI3331/HO/TR2 16mm
D402	91740151-00	LED RED/GREEN (EL339-1 EVGW)
D403 D404	91740137-20	LED (5 ϕ) LY3331/HO/TR2 16mm
D405 D406	91740138-20	LED (5 ϕ) LI3331/HO/TR2 16mm
D407	91740138-20	LED (5 ϕ) LI3331/HO/TR2 16mm
R42	91720191-00	REC VR 50K(A)*2 RK14K12D0027TK
S401	91340103-00	SLIDE SW P=4mm (SSSB022NA1-TK)
P32	91400970-06	SOCKET 6P (6MQ-ST) P=2mm
P33	91400970-07	SOCKET 7P (7MQ-ST) P=2mm

POWER SW PCB ASS'Y

REF.NO.	PARTS NO.	DESCRIPTION
	91450914-00	POWER SW PCB ASS'Y
	91550914-00	POWER SW PCB
S33	△91350293-00	POWER SWITCH
C301	△91158231-20	C, CERAMIC 0.047u 50VZ (YF)

SELECTOR SW PCB ASS'Y

REF.NO.	PARTS NO.	DESCRIPTION
	91450913-00	SELECTOR SW PCB ASS'Y
	91550913-00	SELECTOR SW PCB
	△53009186-00	AC SELECTOR SDKGA4